





# Commerce In-Home Environment

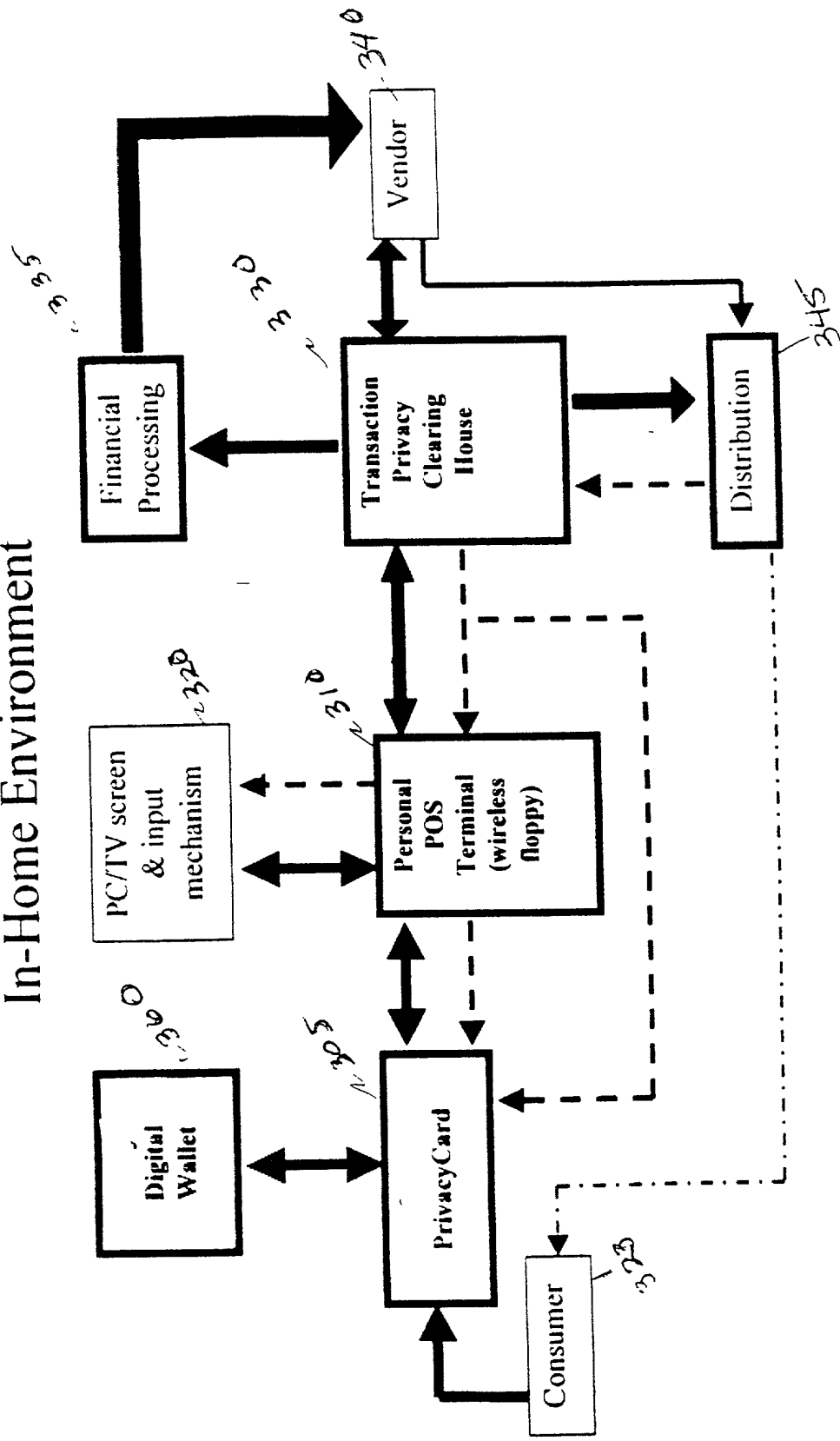


Fig 3

# In-Store Retail Environment

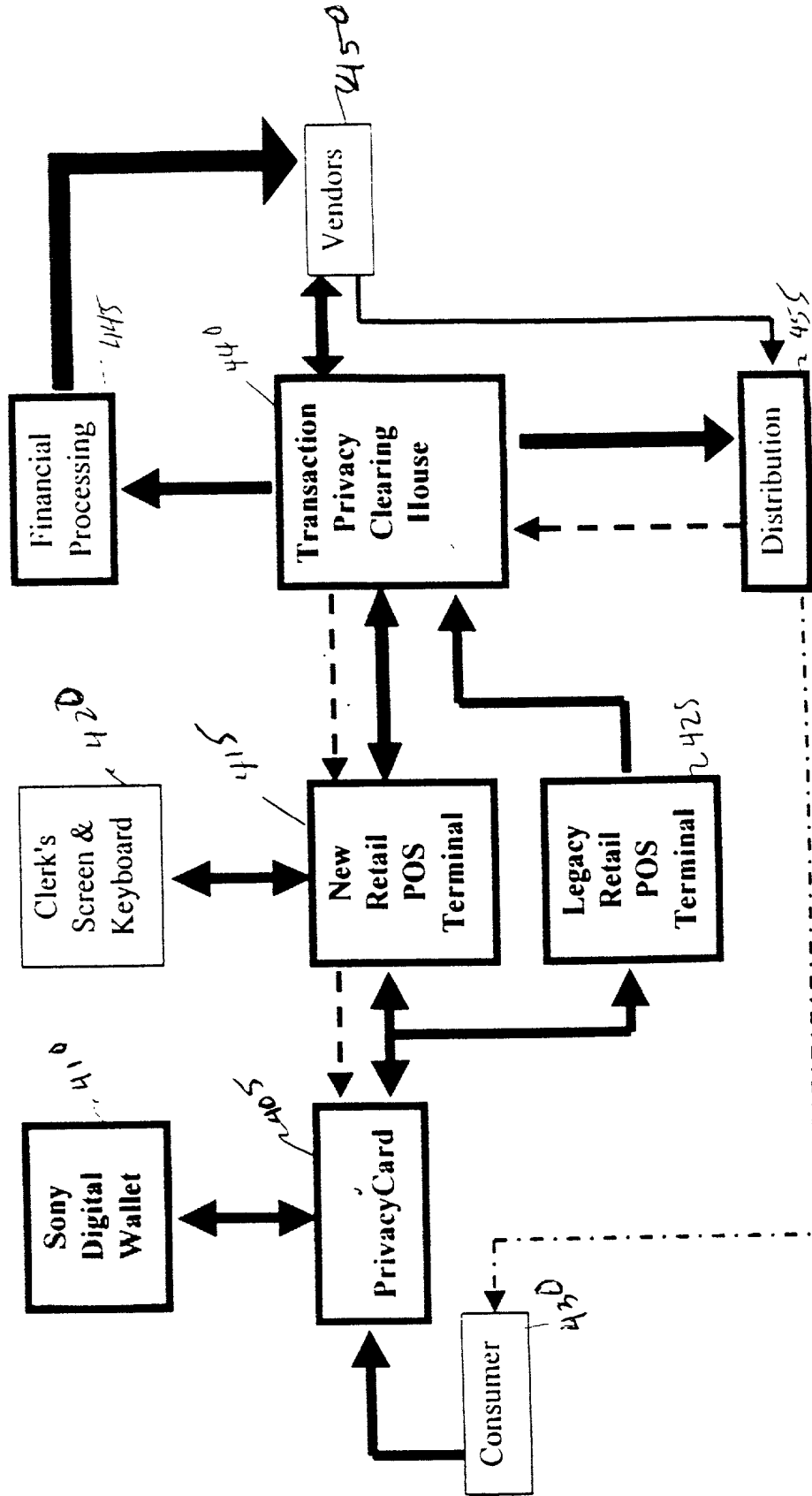


Fig 4

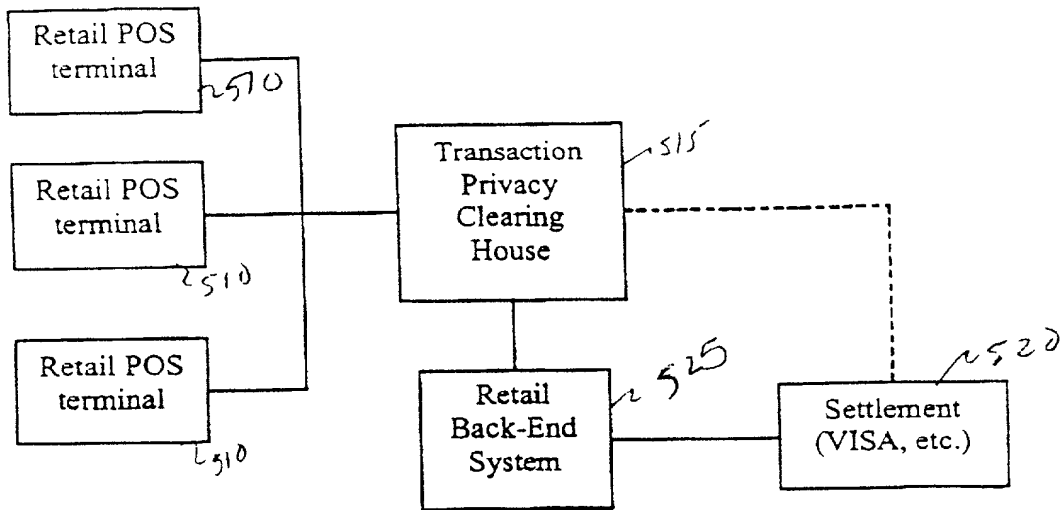


Diagram 5a: A retail system modified to support the interaction of legacy POS terminals with the Digital Wallet system

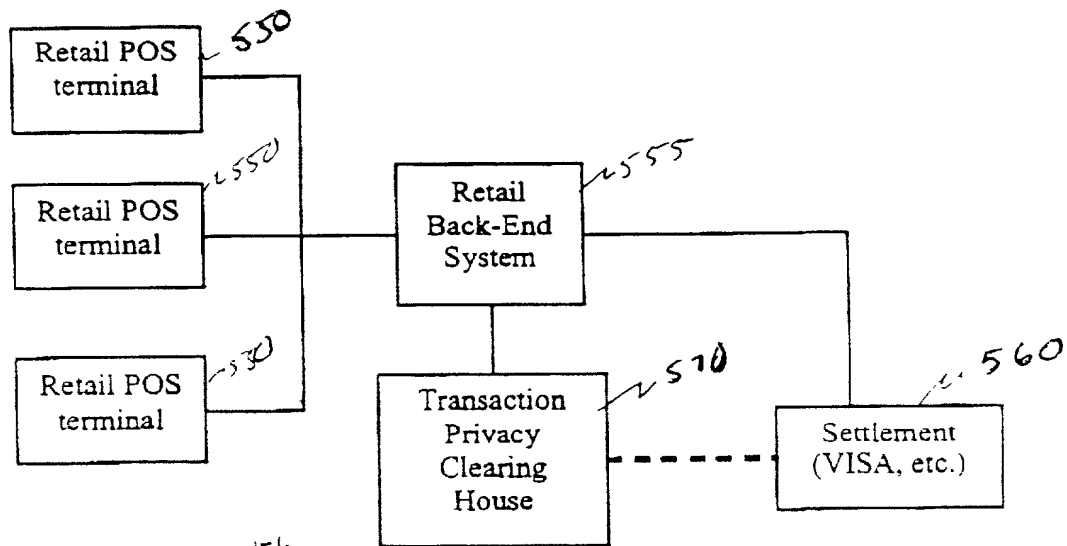
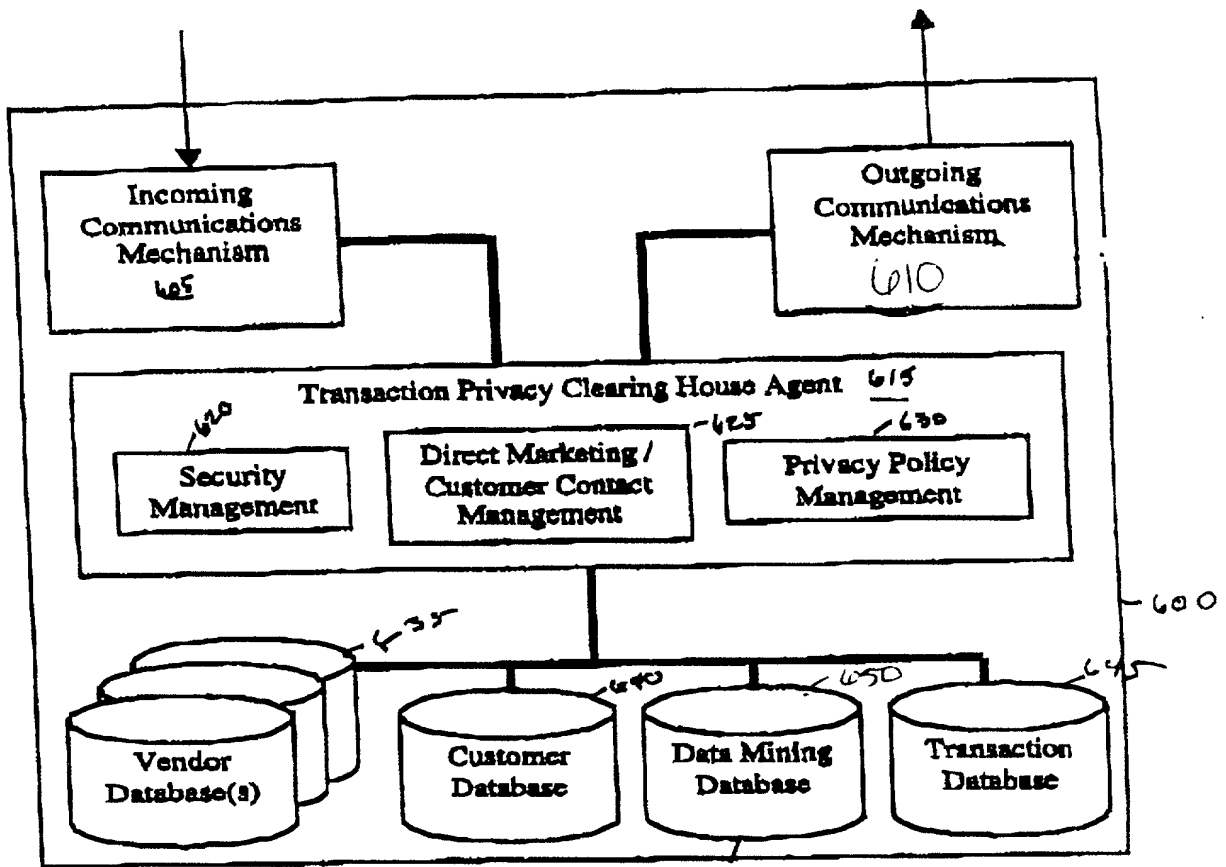


Diagram 5b: An alternative embodiment of the retail system modified to support the interaction of legacy POS terminals with the Digital Wallet system



Transaction Privacy Clearing House: Major Components

Fig. 6

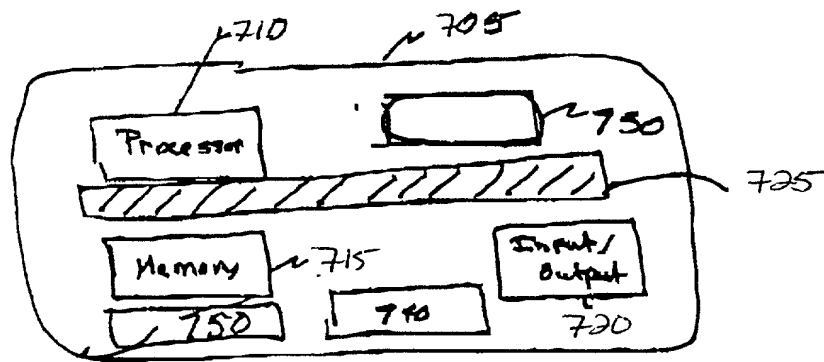


Figure 7a

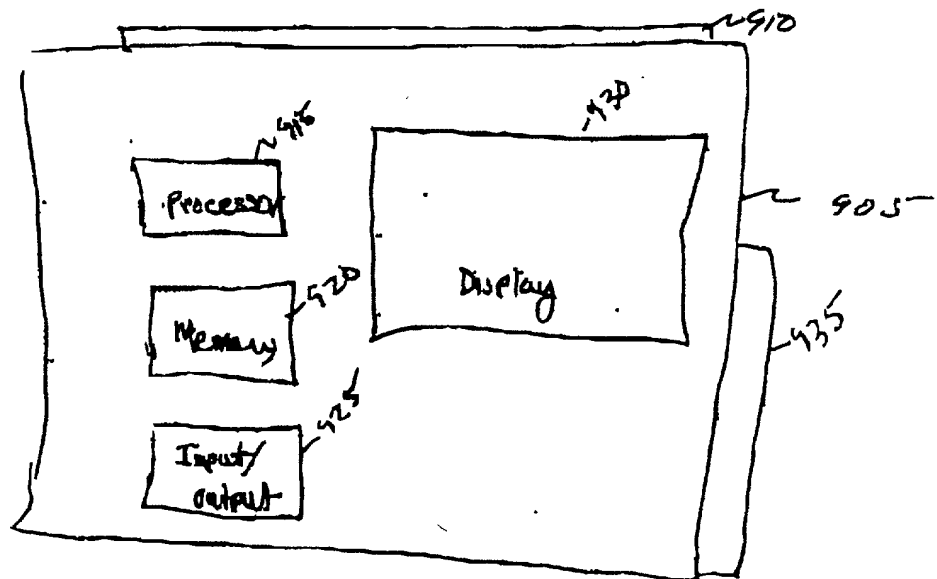


Figure 9a





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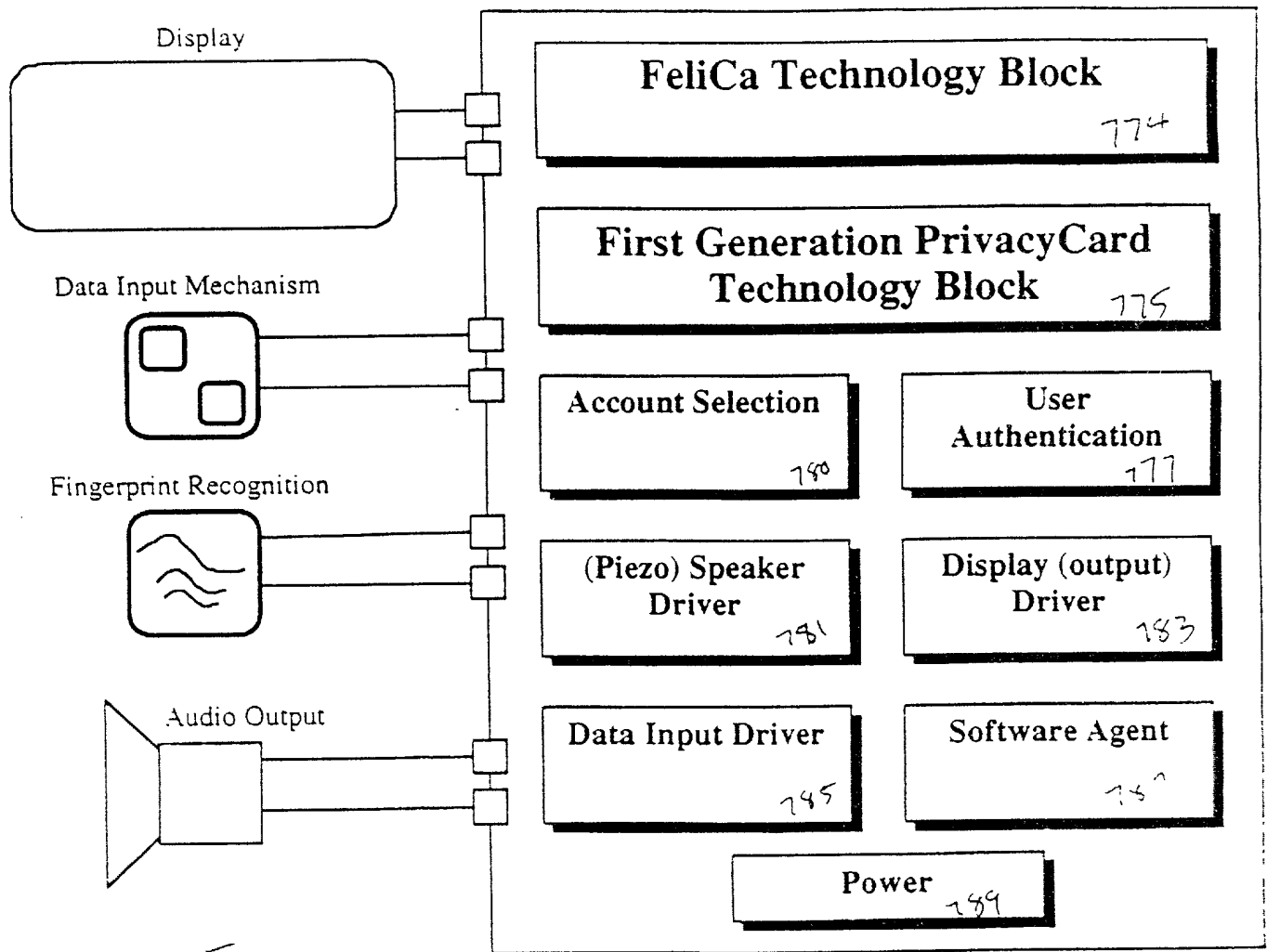


Fig. 7c

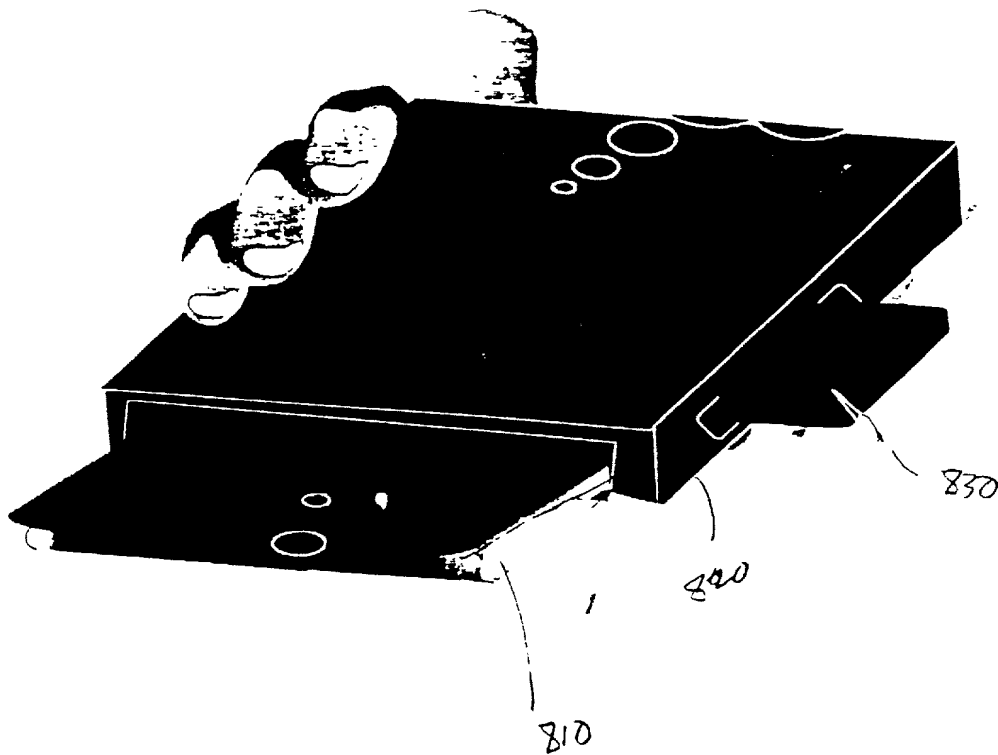


Fig 8

3

Digital Wallet and  
Privacy Card

## Digital Wallet

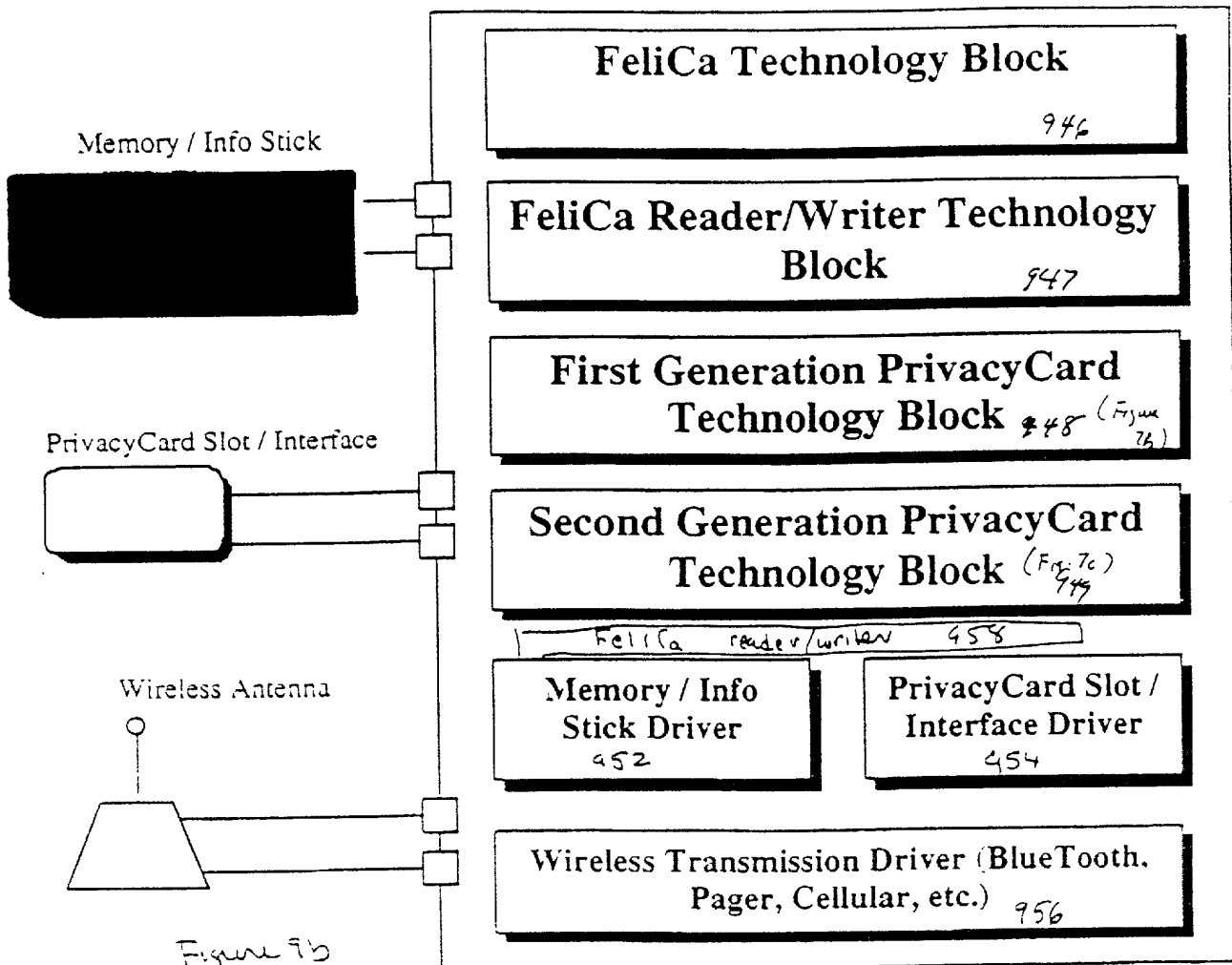
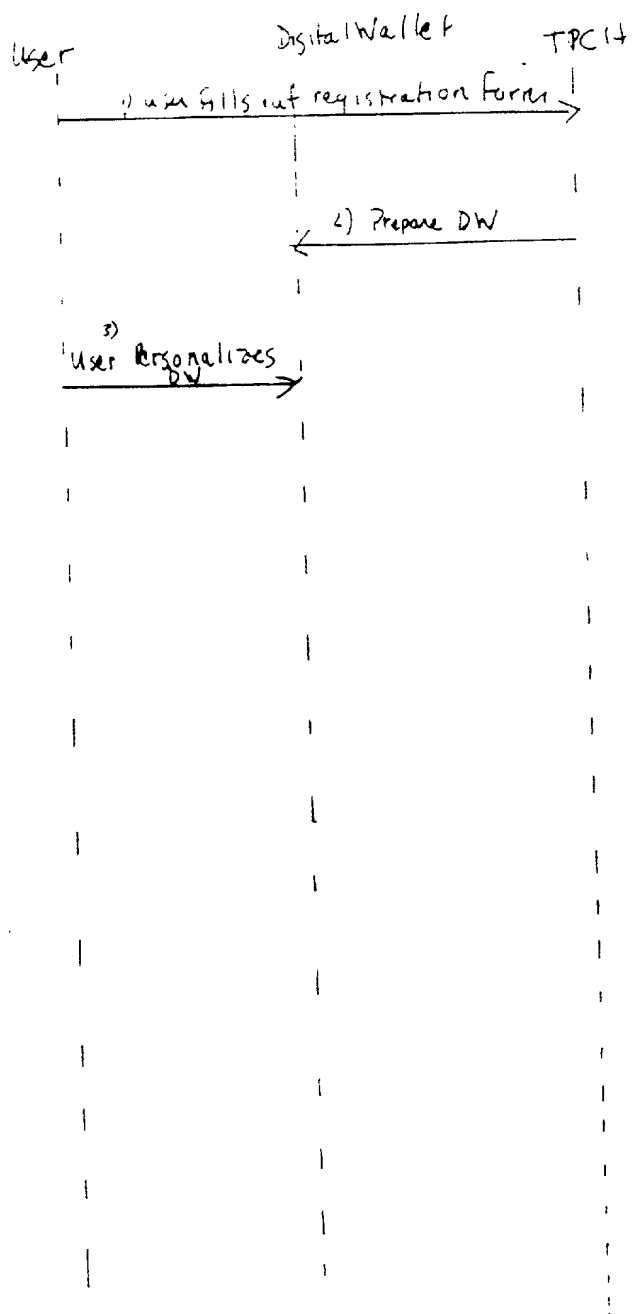


Figure 7b



Setup of Digital  
writing



USER

CO

Digital Wallet

TPC11

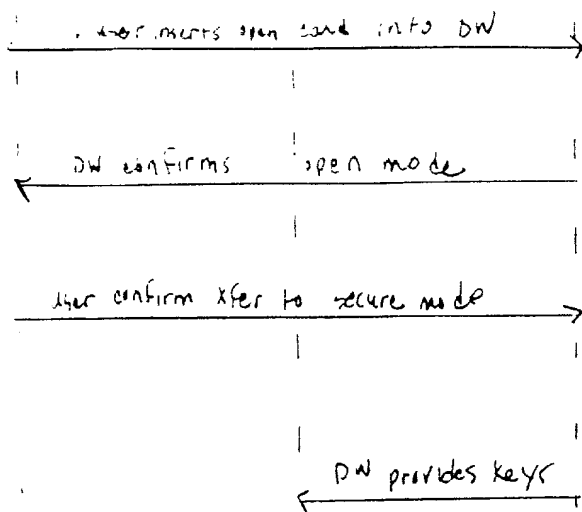


Fig 12

conversion of card to secure

The diagram shows a central rectangular block labeled 1005. Inside this block, there are two smaller rectangles: the top one is labeled "Embedded software and storage, additional functionality" and the bottom one is labeled "built-in modem (preferred)".

External connections to block 1005 include:

- Top: A vertical line with a circle at the top, labeled "wireless to Digital Waller, etc. (required)" and "135".
- Top-right: A horizontal line with a circle at the end, labeled "wireless to external modem (alternative)" and "1340".
- Right: A horizontal line labeled "wired to external modem (alternative)" and "1335".
- Bottom-right: A horizontal line labeled "standard phone or cable modem line, etc." and "1310".
- Bottom: A vertical line with a circle at the bottom, labeled "analog video/audio (optional)" and "1360".
- Bottom-left: A horizontal line labeled "standard serial or other interface (alternative)" and "1325".
- Left: A horizontal line labeled "to host device (PC, etc.)" and "1328".
- Top-left: A horizontal line labeled "IEEE 1394 Interface (preferred)".

Fig. 13.

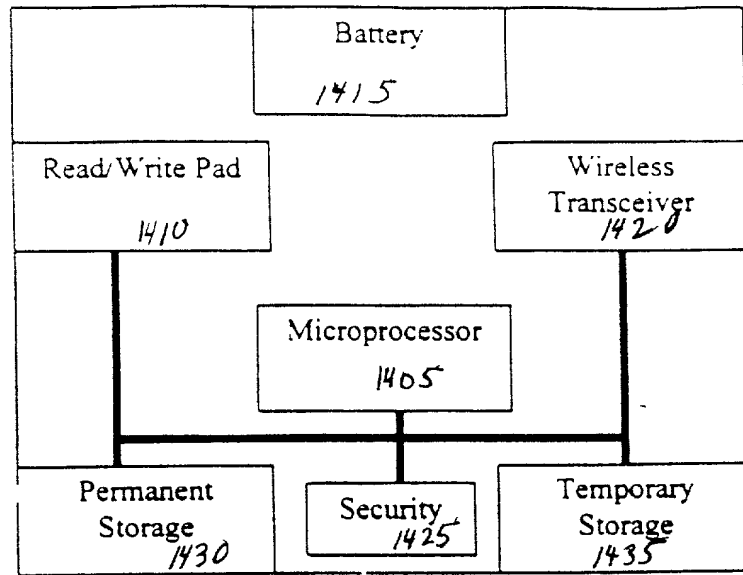


Diagram of the major components of the PersonalPOS, showing the data/address bus interconnect.

Fig 14



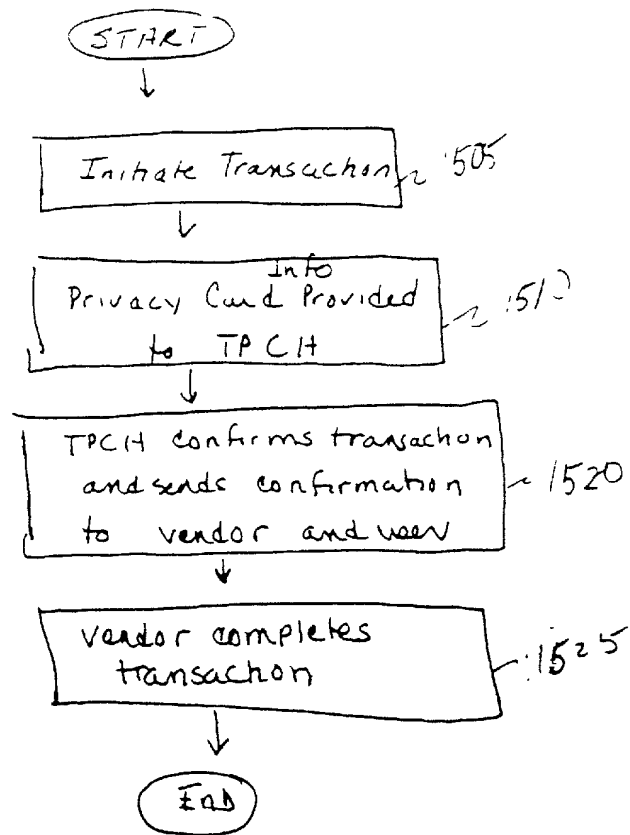


Fig. 15

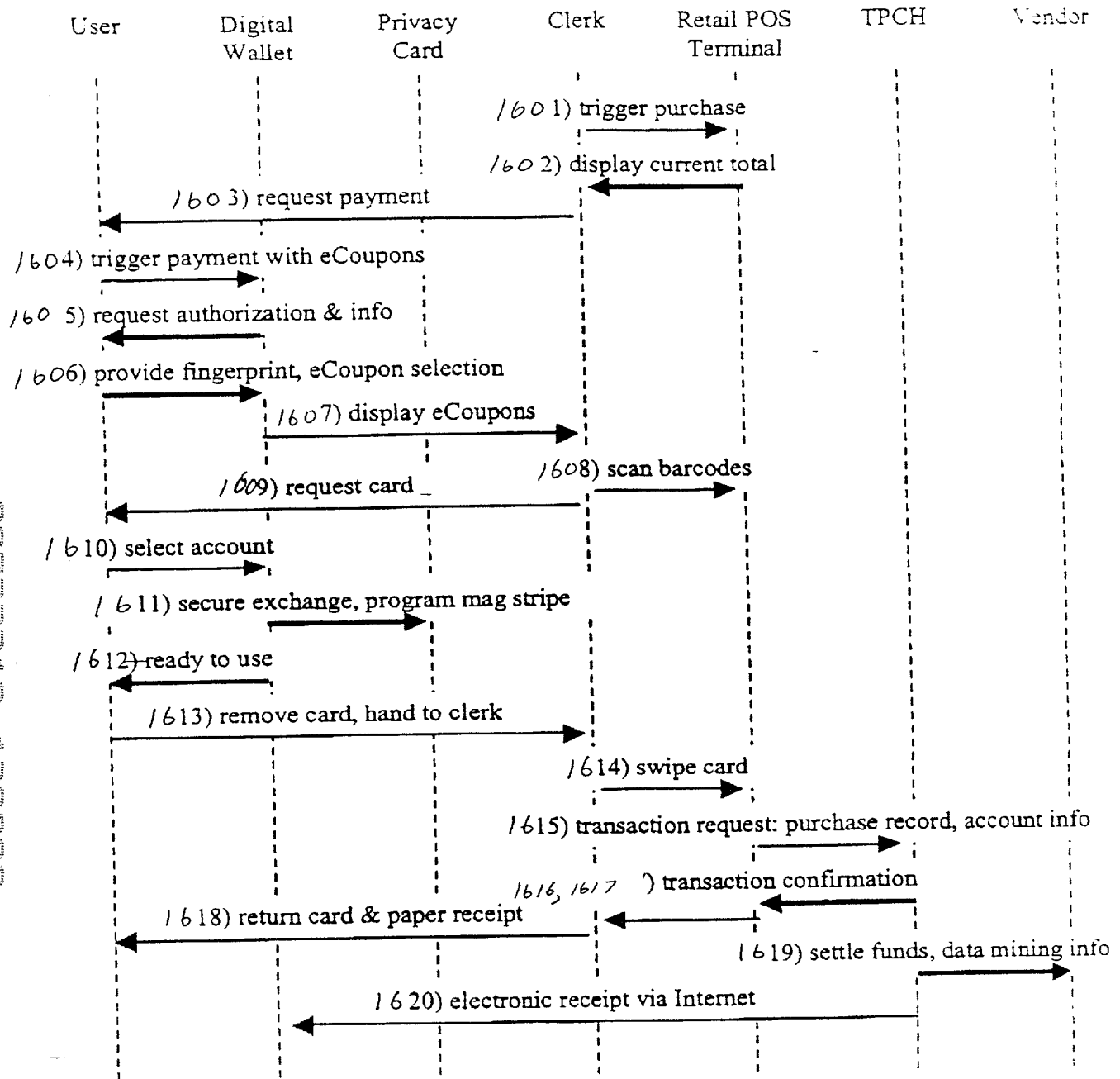


Fig 16

Retail Transaction

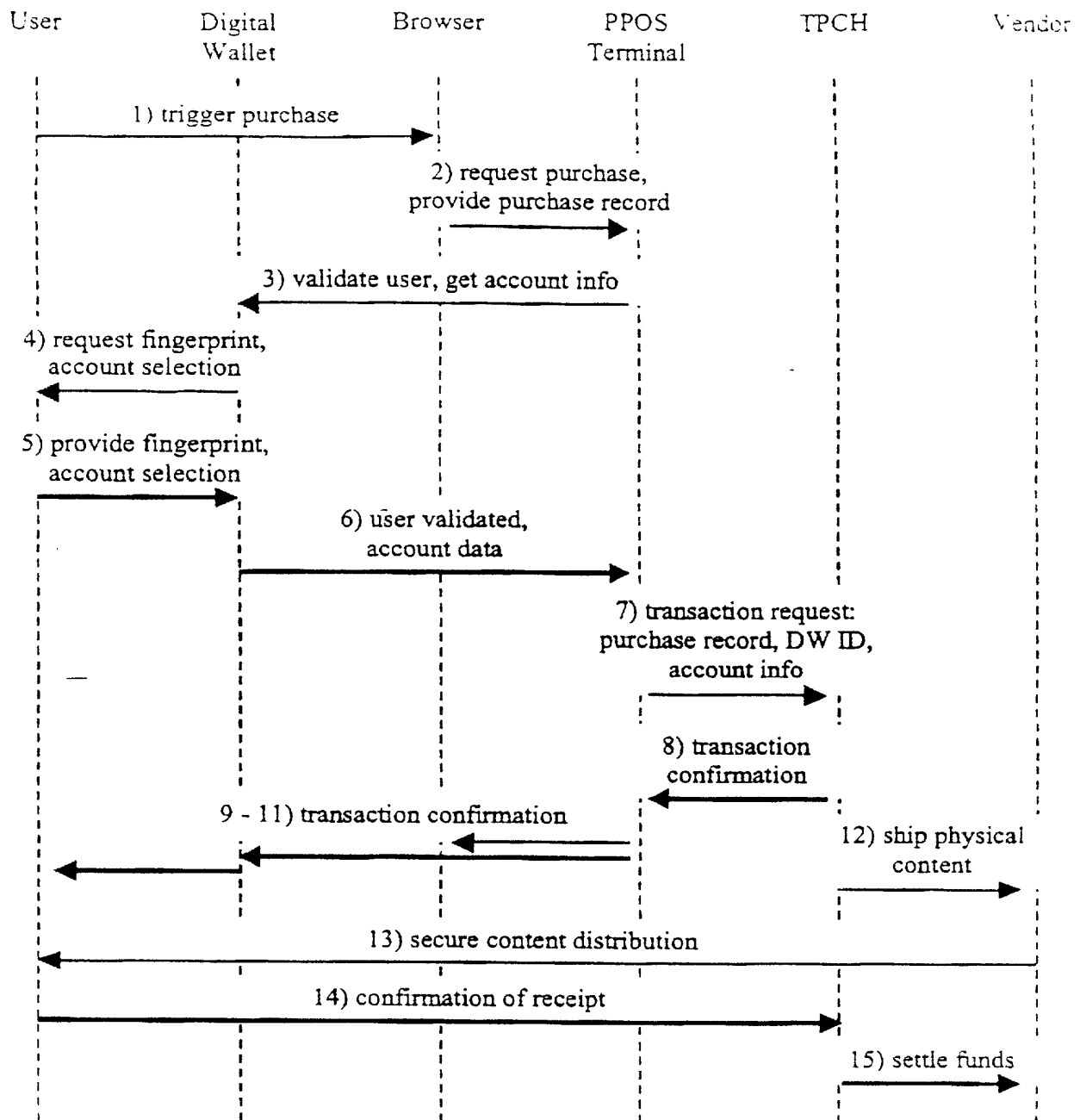


Fig. 17



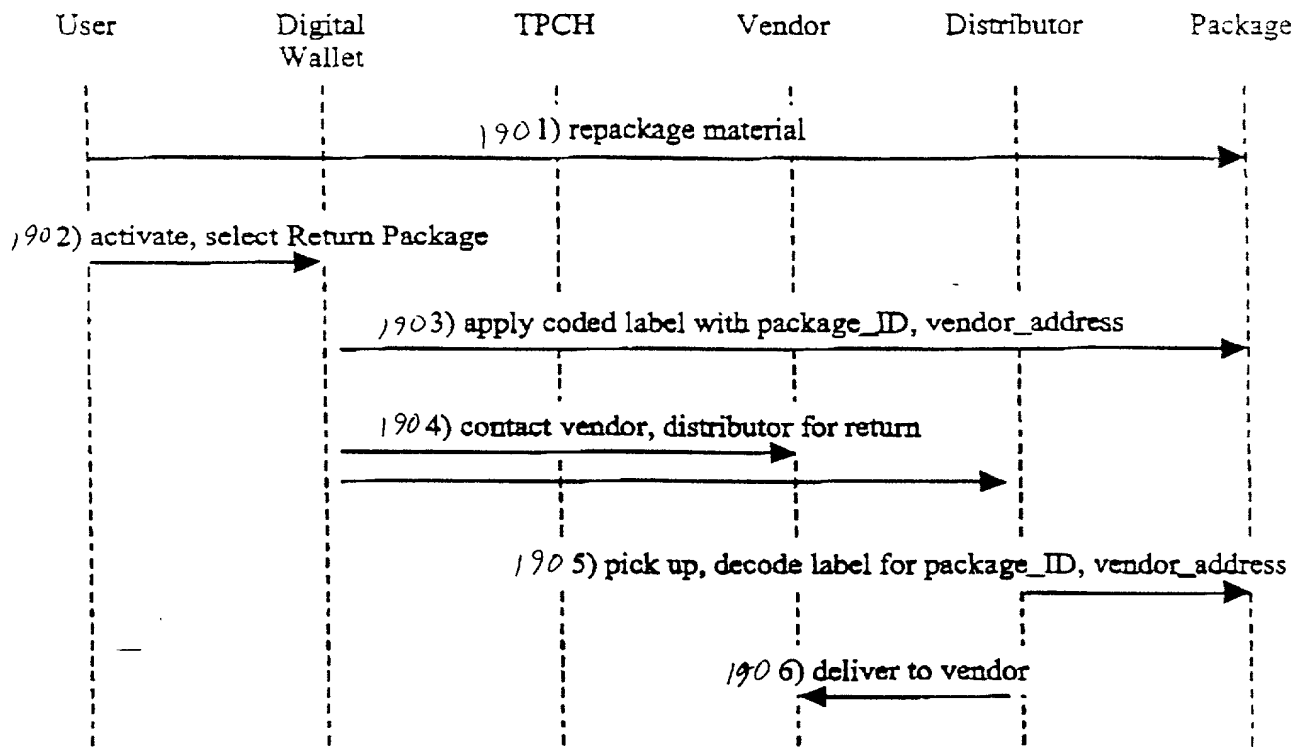


Fig 19

Return of Product

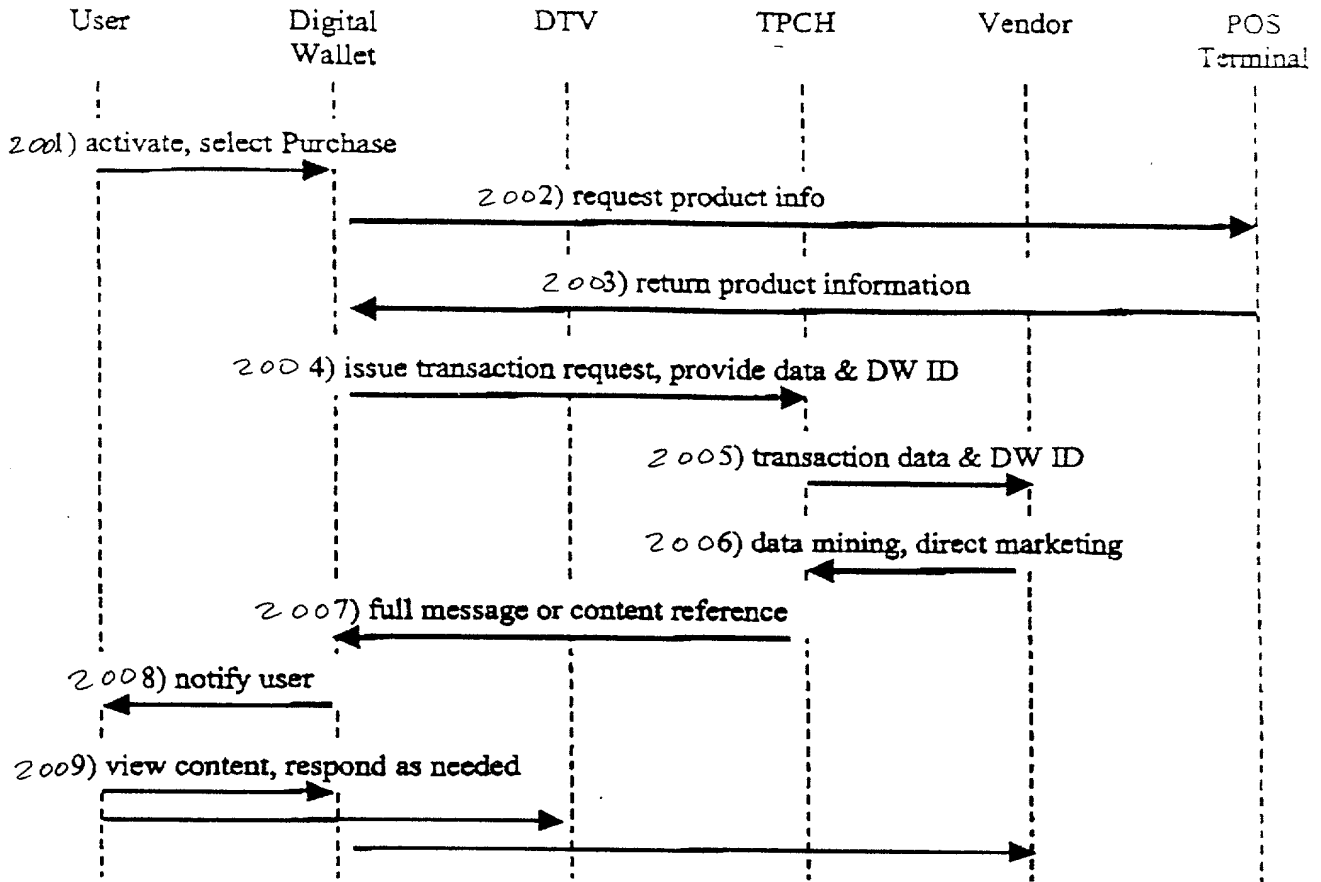


Fig 20

Data Mining

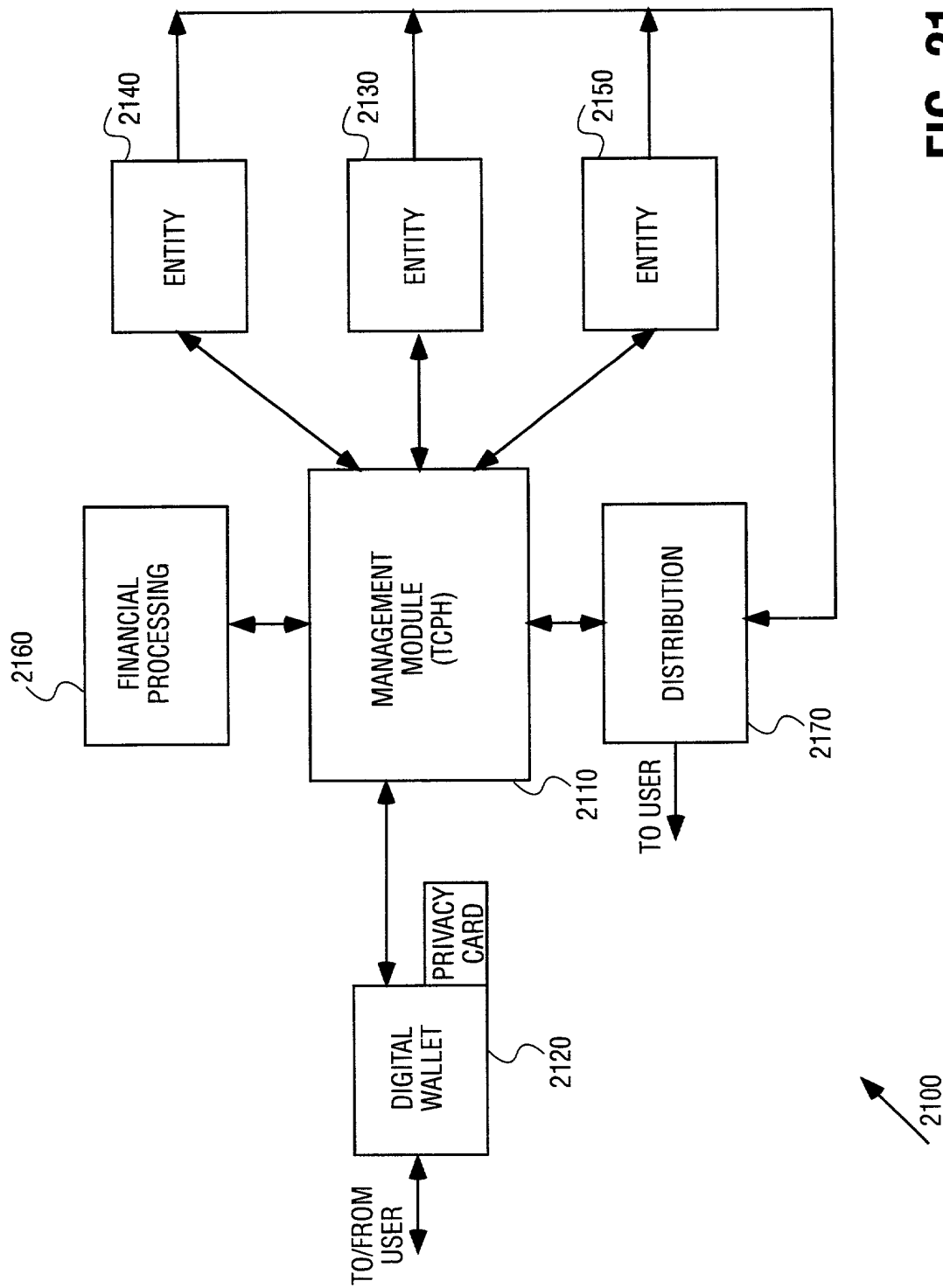
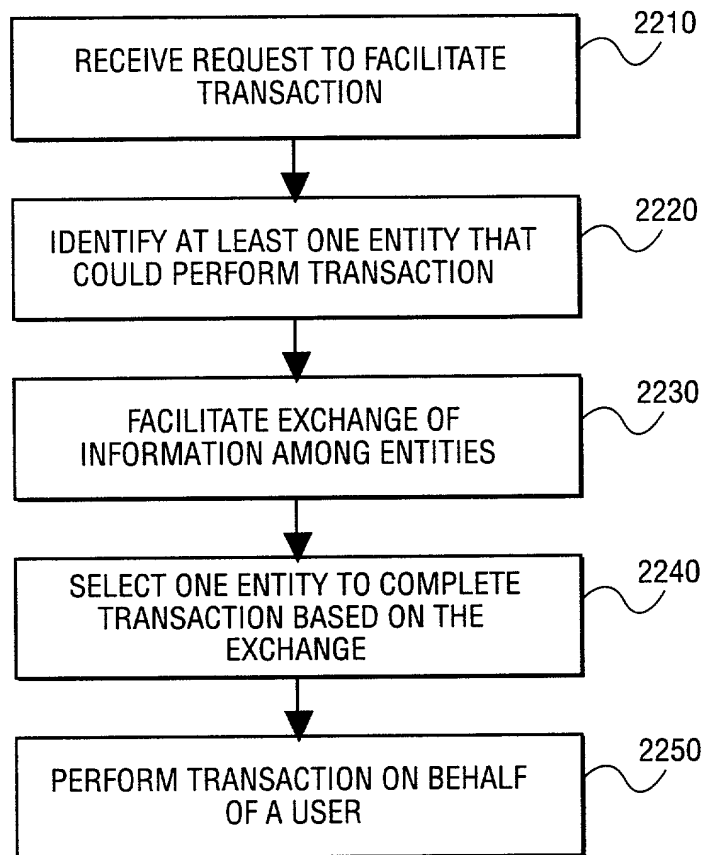
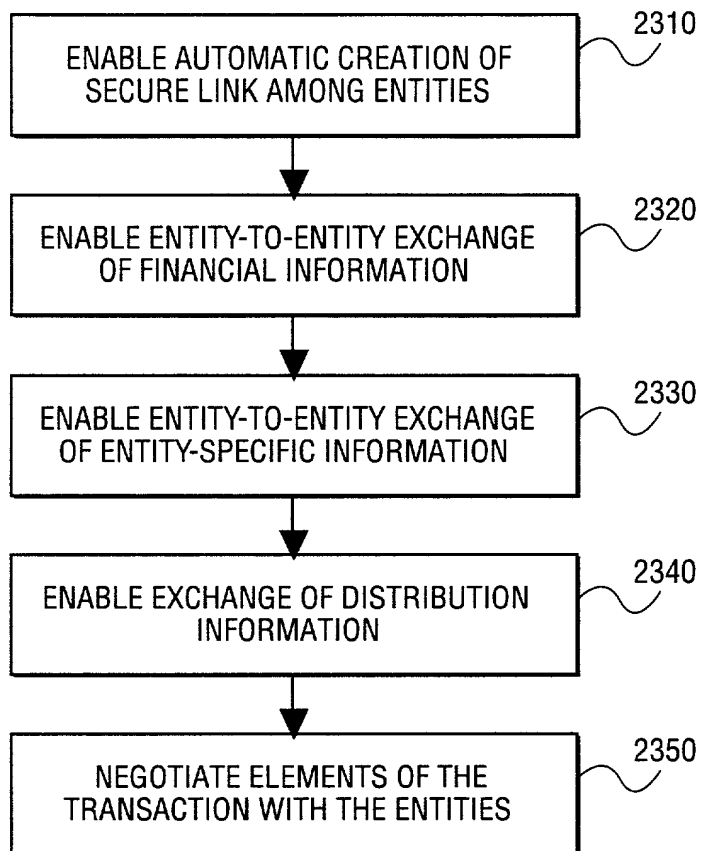


FIG. 21



**FIG. 22**





**FIG. 23**